


# WebTRAGIS



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## TRAGIS Background

Geographic Information Science and Technology

- **Predecessor models developed in the late 1970's**
  - HIGHWAY and INTERLINE
- **October 1995 – stand-alone TRAGIS**
- **September 1999 – TRAGIS released as client-server system**
- **Last major update to TRAGIS released in 2006**
- **April 2011 – ORNL offline**

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## TRAGIS Background

Geographic Information Science and Technology

- **April 2011: TRAGIS taken offline**
- **December 2011: from DOE EM**  
*"Bring TRAGIS back online."*
- **New architecture (web-based), New User Interface, New cyber security requirements, New Rail network**
- **But provide users the same capability as the old system**
- **December 2011: Paul Johnson retired from ORNL**

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## WebTRAGIS

Geographic Information Science and Technology

- **September 2012: WebTRAGIS released**
  - DOE Approved Security Plan and User Management System
  - Web-based with minimum functionality of previous
  - All based on previous TRAGIS deployment
- **February 2013: Highway and Waterway Network Upgrades**
  - Included Intermodal Feasibility Study

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## WebTRAGIS

Geographic Information Science and Technology

- **September 2013: WebTRAGIS update**
  - Updated rail network
  - Population data based on LandScan Ambient 2010
- **December 2013: WebTRAGIS update**
  - Upgraded Highway/Waterway Networks
  - Population data current (LandScan Ambient 2012)
  - Improved Population Density reporting (per link)
  - Infrastructure proximity: Public Schools (K-12), Hospitals, Day Care, Nursing Home, Fire Stations
  - Graphic route blocking

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## WebTRAGIS

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<https://webtragis.ornl.gov>

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